

AIR CONDITIONING GENERAL NOTES

GENERAL

PROVIDE (FURNISH AND INSTALL) ALL NECESSARY MATERIALS AND LABOR FOR A COMPLETELY OPERATIONAL AIR CONDITIONING, HEATING AND VENTILATING SYSTEM AS SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED INSTALL IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, ASHRAE, SMACNA, NFPA, AND LOCAL ORDINANCES.

SCOPE OF WORK :

PROVIDE THE FOLLOWING COMPLETE SYSTEMS :

A. SUPPLY DUCT SYSTEM.

B. EXHAUST SYSTEM FOR BATHROOMS

C. AIR CONDITIONING UNITS WITH REFRIGERANT PIPING AND CONTROLS.

PAY FOR ALL FEES, INSPECTIONS AND CONNECTION CHARGES REQUIRED

VERIFY AT JOB SITE ALL SPACE CONDITIONS, DIMENSIONS AND EQUIPMENT SIZES PRIOR TO DUCT FABRICATION OR INSTALLATION. COORDINATE REQUIREMENTS TO AVOID INTERFERENCE WITH OTHER TRADES.

GUARANTEE ALL WORK FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.

MATERIALS

DUCTWORK

GENERAL. ALL DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.

PROVIDE DOUBLE THICKNESS TURNING VANES AT ALL SQUARE ELBOWS. WHERE THE ELBOWS ARE RECTANGULAR INSTALL SINGLE THICKNESS INSTEAD.

REFRIGERANT PIPING. SEAMLESS COPPER TYPE "L" AND HARD OR SOFT DRAWN ON ACR COPPER TUBING WITH WROUGHT COPPER SOLDER JOINT FITTINGS. SOLDER SHALL BE 95/5 APPLIED WITH SUITABLE FLUX.

INSULATE ALL REFRIGERANT SUCTION PIPING WITH 1/2" CLOSED CELL POLYETHYLENE PREMOULDED PIPE INSULATION, WITH AN APPROVED PIPE AND SMOKE JACKET. PAINT ALL EXPOSED INSULATION WITH TWO COATS OF WHITE LATEX PAINT.

PROVIDE AIR CONDITIONING UNITS WITH MATCHING LOW VOLTAGE HEAT-COOL THERMOSTATS WITH ON-OFF AUTO SUB-BASE SWITCH, FURNISHED BY THE EQUIPMENT MANUFACTURER.

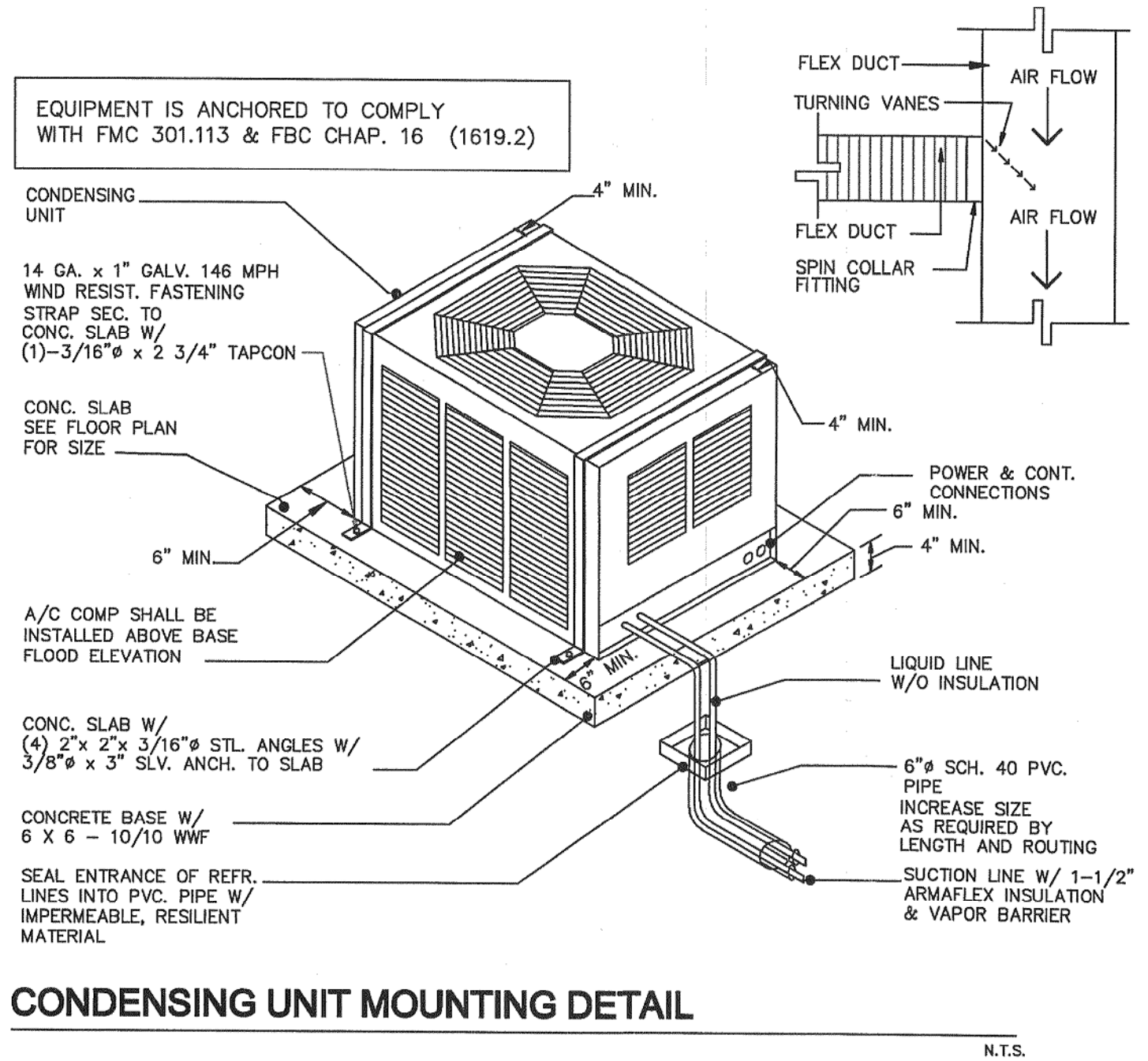
ALL AIR CONDITIONING COMPRESSORS SHALL BE WARRANTED FOR A MINIMUM OF FIVE YEARS AFTER DATE OF ACCEPTANCE OF THE PROJECT.

AIR DISTRIBUTION PRODUCTS :

PROVIDE SUPPLY AND DIFFUSERS AS INDICATED ON THE DRAWINGS.

INSTALLATION

INSTALL ALL EQUIPMENT IN ACCORDANCE TO THE MANUFACTURER'S MANUAL AND RECOMMENDATIONS PAYING SPECIAL ATTENTION TO REQUIRED CLEARANCES FOR INSTALLATION, OPERATION AND SERVICE.



REFRIGERATION SUCTION LINE TO BE INSULATED WITH INSULATION HAVING A THERMAL RESISTIVITY OF AT LEAST R-4 AND HAVING AN EXTERNAL PERMEANCE NOT EXCEEDING 0.05 PERM WHEN TESTED IN ACCORDANCE WITH ASTM E96 FMC-M1411.5.

A/C SYSTEM TO BE LEGALIZED

WINDOW AND GLASS DOOR INFORMATION

SHGC = 0.35

U FACTOR = 1.30

PROGRAMMABLE THERMOSTAT

HVAC DESIGN REQUIREMENTS	YES	NO
DUCT SMOKE DETECTOR		●
FIRE DAMPER(S)		●
SMOKE DAMPER(S)		●
FIRE RATED ENCLOSURE		●
FIRE RATED ROOF CEILING ASSEMBLY		●
FIRE STOPPING		●
SMOKE CONTROL		●

STANDARD 3" WIDE HANGERS		
HANGER EXTENSION TO BE THE SUM OF THE DISTANCES BETWEEN THE HANGING WIRES AND THE DUCT SIZE, ID (SMACNA)		
DUCT SIZE, INCHES	MAXIMUM HANGER SPACING	
48" WIDE OR GREATER	4'-0"	
LESS THAN 48" WIDE AND LESS THAN 48" DEEP	6'-0"	
WIDTH BETWEEN 28" AND 48" AND GREATER THAN 16" DEEP	6'-0"	
LESS THAN 28" WIDE AND 16" DEPTH OR LESS	8'-0"	

CHANNEL SECTION		
IF TOTAL EXTENSION IS NOT GREATER THAN:	MINIMUM CHANNEL GAUGE	MINIMUM CHANNEL PROFILE
6"	24	3" X 15"
18"	22	3" X 2"
30"	18	3" X 2"

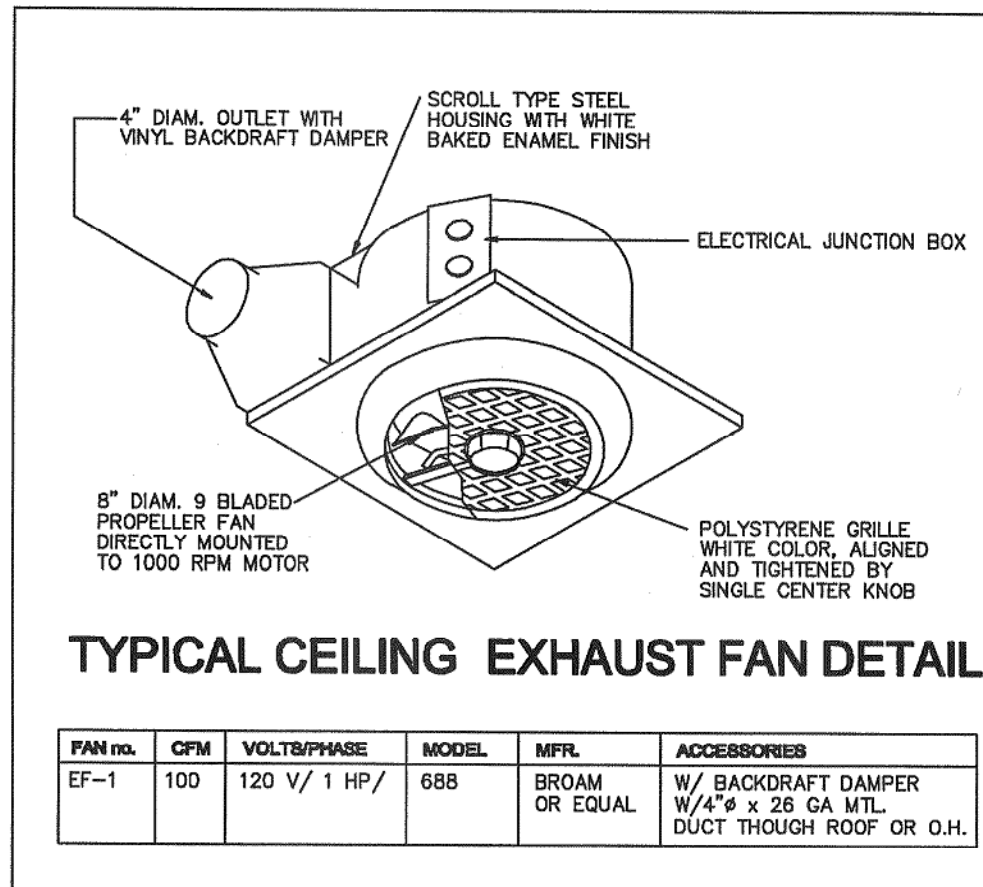
NOTE: REFRIGERATION LINES THRU UNDER SLAB IN 6" PVC OR IN ATTIC AND SHEILDIED ON OUTSIDE ALL INSULATED PER CODE, CONDENSATE DRAINS UNDER SLAB 2" PVC OR PER MFG. BY PLUMBER.

DUCT WORK TRUNK LINES AND DROP LOCATIONS MAY VARY FROM PLAN DUE TO SITE CONDITION.

A/C NOTE:

AIR DUCTWORK SHALL BE CLASS ONE FIBERGLASS DUCT BOARD OR ROUND DUCT IN ACCORDANCE W/ SMACNA'S R-6 IN ATTIC SPACE. PROVIDE TURNING VANES AT ALL 90 DEGREE ELBOWS FOR PROPER AIR FLOW.

SPLIT SYSTEM SCHEDULE	
TOTAL CAPACITY (BTU/HR):	UNIT #1
42,500	
SENSIBLE BTU/HR	28,600
C.F.M. SUPPLY	1400
STRIP HEATER (KBTU/HR)	25
ESP-IN W.G.	0.30
TEMP. AIR ENT. COIL DBWB	80/78
VOLTAGE	1-60-240
MANUFACTURER:	RHEEM or similar
COIL MODEL NUMBER:	
AHU MODEL NUMBER:	RHLLHM4821JA
COND. MODEL NUMBER:	RPNL043JA2
SEER/EEER	17
LIQUID/SUCTION SIZE-IN	5/8"-3/4"
ARI No	3429583

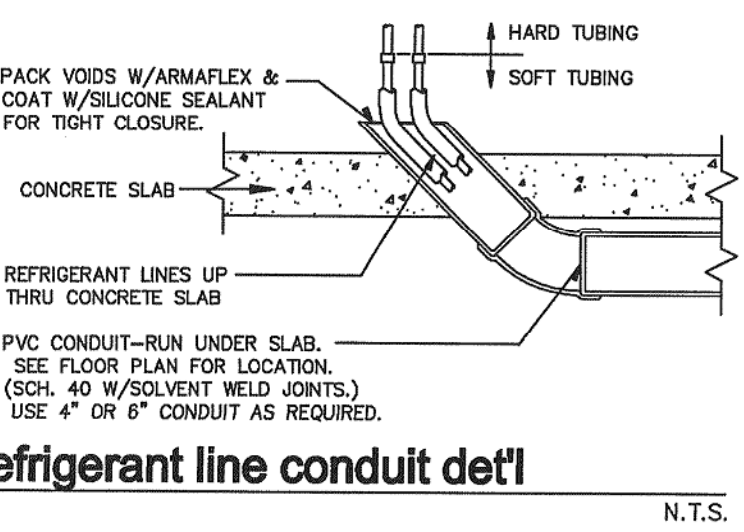


provide 3" min clearance all around FBC R-1305.1.1

NOTES:

1. CONCEALED OR NON REMOVABLE JOINTS SHALL NOT BE INSTALLED BELOW THE SLAB.

2. PVC SCH. 40 SLEEVE SHALL BE 2" LARGER THAN THE PIPE INSULATION ENCASED, HAVING AN ANGLE NO GREATER THAN 45° WITH THE ENCASED REFRIGERANT PIPING REMOVABLE FOR REPLACEMENT.



FERMIN A. MARTINEZ, P.E.
CONSULTING ENGINEER
FL P.E. No 19363
8340 S.W. 68th AVENUE UNIT 3
MIAMI, FLORIDA 33143
TEL: (305) 288-3216

AS BUILT PLANS FOR DEMOLITION/LEGALIZATION OF
ELLAWISH LLC II
2419 N.W. 99th STREET
MIAMI, FL. 33147

Project Title:
Address:

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REVISIONS

DESCRIPTION
Project No.
15-57
Date:
07-12-16
Drawn By:
PEDRO PUERTO/ CBS
(305) 262 8076
Approved By:
F.A.M.
SEAL
SHEET NO:
M-2